

(I)

[19] 中华人民共和国国家知识产权局

[51] Int. Cl.

H01L 51/50 (2006.01)

C09K 11/06 (2006.01)

C07F 15/00 (2006.01)



[12] 发明专利申请公开说明书

[21] 申请号 200380106105.5

[43] 公开日 2006 年 1 月 25 日

[11] 公开号 CN 1726606A

[22] 申请日 2003.11.7

[21] 申请号 200380106105.5

[30] 优先权

[32] 2002.11.8 [33] US [31] 10/291,338

[86] 国际申请 PCT/US2003/035535 2003.11.7

[87] 国际公布 WO2004/045002 英 2004.5.27

[85] 进入国家阶段日期 2005.6.14

[71] 申请人 通用显示公司

地址 美国新泽西州

共同申请人 南加利福尼亚大学

[72] 发明人 马 斌 D·B·诺尔斯

C·S·布朗 D·墨菲

M·E·汤普森

[74] 专利代理机构 中国国际贸易促进委员会专利商
标事务所

代理人 任宗华

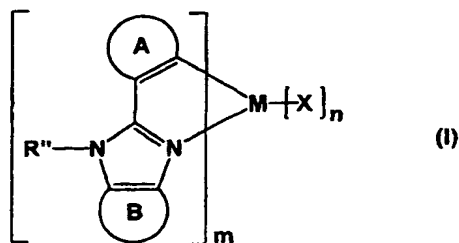
权利要求书 7 页 说明书 21 页 附图 4 页

[54] 发明名称

有机发光材料和器件

[57] 摘要

提供了一种有机发光器件。该器件包括阳极、阴极和放置在阳极和阴极之间的发射层。该发射层包括具有结构(I)的材料，M 为原子量大于 40 的金属，m 至少为 1，n 至少为 0，R'' 为 H 或任意的取代基，X 为辅助配体，且 A 选自芳环或杂芳环，和 B 为芳环。还提供了包括上述材料的光敏配体的材料。



Organic light emitting materials and devices

Publication number: CN1726606

Publication date: 2006-01-25

Inventor: MA BIN KNOWLES DAVID B BROWN C (US)

Applicant: UNIVERSAL DISPLAY CORP (US)

Classification:

- international: *H01L51/50; C07F15/00; C09K11/06; H01L21/50; H01S3/30; H05B33/14; C07F15/00; C09K11/06; H01L21/02; H01L51/50; H01S3/30; H05B33/14;*

- European: C09K11/06; H01L51/00M12F2; H05B33/14

Application number: CN20038106105 20031107

Priority number(s): US20020291338 20021108

Also published as:

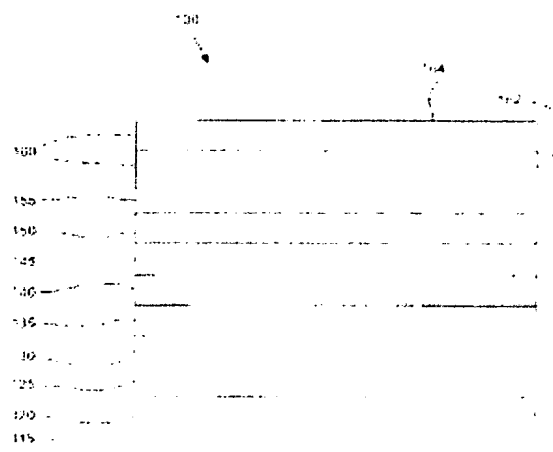
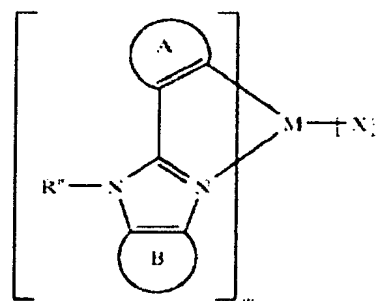
WO2004045002 (A)
EP1561240 (A1)
US6687266 (B1)
EP1561240 (A0)
AU2003291370 (A1)

Report a data error he

Abstract not available for CN1726606

Abstract of corresponding document: **US6687266**

An organic light emitting device is provided. The device includes an anode, a cathode, and an emissive layer disposed between the anode and the cathode. The emissive layer includes material having the structure: M is a metal having an atomic weight greater than 40, m is at least 1, n is at least zero, R'' is H or any substituent, X is an ancillary ligand, and A is selected from the group consisting of aryl and heteroaryl rings, and B is an aryl ring. A material including the photoactive ligand of the above material is also provided.



Data supplied from the esp@cenet database - Worldwide